(19) KOREAN INTELLECTUAL PROPERTY OFFICE

KOREAN PATENT ABSTRACTS

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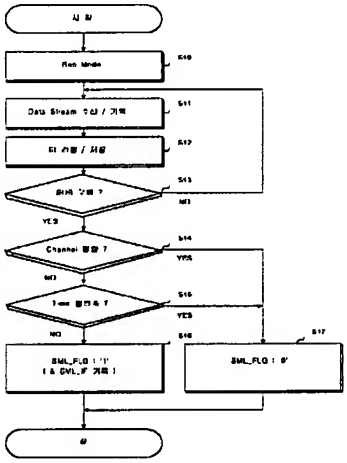
(54) METHOD FOR RECORDING AND TRANSMITTING SEAMLESS PLAYBACK INFORMATION OF DIGITAL DATA STREAM AND RECORDING MEDIUM ACCORDING TO THE METHOD

(57) Abstract:



PURPOSE: A method for recording and transmitting seamless playback information of digital data stream and recording medium according to the method is provided to previously prevent a seamless playback error of a data stream between recording assemblies by recording seamless playback information between adjacent recording assemblies and reading seamless playback information when performing a reproducing operation. CONSTITUTION: If a recording mode is set by a control unit of a streamer(S10), a data stream transmitted from a setup box is received and the received data stream is recorded in a recording medium(S11). Broadcasting program service information transmitted with the data stream is detected and detected broadcasting program service information is stored in a memory(S12). The recorded data stream is partitioned as one stream object unit during the record of the received data stream(S13). It is judged as to whether a data stream of a previously adjacent partitioned stream object unit and a data stream of a current partitioned stream object unit are a data stream corresponding to a same broadcasting or a timely successive recorded data stream(S14,S15). A seamless playback flag is set as 0 when the data stream of the previously adjacent partitioned stream object unit and the data stream of the current partitioned stream object unit are not the data stream corresponding to the same broadcasting or the timely successive recorded data stream(S17). The seamless playback flag is set as 1 when the data stream of the previously adjacent partitioned stream object unit and the data stream of the current partitioned stream object unit are the data stream corresponding to the same broadcasting or the timely successive recorded data stream(S16).

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KOREAN PATENT ABSTRACTS

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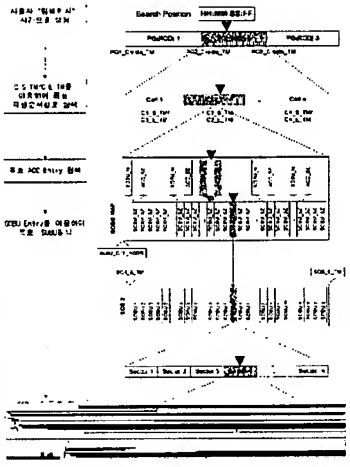
(54) METHOD FOR RECORDING DIGITAL DATA STREAM

(57) Abstract:



PURPOSE: A method for recording a digital data stream is provided to reduce an amount of management information(navigation data) by uniformly dividing stream record units. CONSTITUTION: In a method for recording a digital data stream, a data transmitting speed of a data stream is identified. A unit of record units with respect to the stream is determined according to the identified transmitting speed. According to the determined unit, the data stream is divided and recorded. The data transmitting speed is identified by detecting a data transmitting speed information contained in the data stream. The data transmitting speed information is an elementary stream rate information stored in a pelletized elementary stream packet header of the digital stream or piecewise rate information of the packet header.

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